Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	SUNSET POWER INTERNATIONAL PTY LTD	
REPORTING PERIOD	May 2024	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2	Combined air emissions from boiler 5 via Points 4	to 7 to Point 1 marked an	d shown as EPA ID 2 on The Plans ("V	X837351-1 AND "VX8	337351-2" 03/06	/2020 EPA REFERE	NCE DOC20/476	695 AND DOC20/47	76695-1).			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceed 100% Limit (yes/no)	Comments
May-24	Cadmium	(mg/m3)	Every 6 months							0.2	No	
May-24	Chlorine	(mg/m3)	Every 6 months							20	No	
May-24	Fluorine	(mg/m3)	Every 6 months							30	No	
May-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
May-24	Mercury	(mg/m3)	Every 6 months							0.05	No	
May-24	Nitrogen Oxides	(mg/m3)	Continuous	98.2%	May-24	440	647	725	850	980	No	
May-24	Solid Particles	(mg/m3)	Quarterly							50	No	
May-24	Sulfur dioxide	(mg/m3)	Continuous	98.2%	May-24	624	914	1221	1400	1700	No	
May-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
May-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
May-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10	No	·

POINT 3 Combined air emissions from boiler 6 via Points 8 to 11 to Point 1 marked and shown as EPA ID 3 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Exceed amples Collected Lowest Sample Mean of **Highest Sample** 99 Percentile 100 Percentile 100% Limit Unit of Measure Value Sample/Measurement Frequency (yes/no) May-24 Cadmium Every 6 months 0.2 (mg/m3) May-24 Chlorine Every 6 months 20 No (mg/m3) No May-24 (mg/m3) Every 6 months 30 May-24 Hydrogen chloride (mg/m3) Every 6 months 50 No May-24 Mercury 0.05 No (mg/m3) Every 6 months May-24 Nitrogen Oxides (mg/m3) Continuous 91.5% May-24 256 644 744 850 980 No No May-24 Solid Particles (mg/m3) Quarterly 50 91.4% 546 871 1081 No May-24 1400 May-24 Sulfur dioxide 1700 (mg/m3) Continuous May-24 Sulfuric acid mist and sulfur trioxide (as SO3) No (mg/m3) Every 6 months 100 May-24 Type 1 and Type 2 substances in aggregate (mg/m3) (mg/m3) Every 6 months 0.75 No May-24 VOC's as n-propane equivalent Every 6 months

POINT 4	OINT 4 Boiler number 5 exhaust - duct A marked and shown as EPA ID 4 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments	
May-24	Cadmium	(mg/m3)	Every 6 months	,							N/A		
May-24	Carbon dioxide	(%)	Every 6 months								N/A		
May-24	Chlorine	(mg/m3)	Every 6 months								N/A		
May-24	Fluorine	(mg/m3)	Every 6 months								N/A		
May-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A		
May-24	Mercury	(mg/m3)	Every 6 months								N/A		
May-24	Solid Particles	(mg/m3)	Quarterly								N/A		
May-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A		
May-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A		
May-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A		

POINT 5	Boiler number 5 exhaust - duct B marked and sho	own as EPA ID 5 on The Pla	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOCZU/4							
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample	Mean of	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Cadmium	(mg/m3)	Every 6 months	& Analysed	Date Sampled	Value	Samples	value	Concentration Limit	Concentration Limit	N/A	Comments
May-24	Mercury	(mg/m3) (mg/m3)	Every 6 months								N/A	
May-24	Solid Particles	(mg/m3)	Quarterly								N/A	
May-24 May-24	Type 1 and Type 2 substances in aggregate	(mg/m3) (mg/m3)	Every 6 months								N/A N/A	
ividy-24	Type 1 and Type 2 substances in aggregate	(1118/1115)	Every 6 months		l .	l l					N/A	
POINT 6	Boiler number 5 exhaust - duct C marked and sho	own as FDA ID 6 on The Dia	ne ("VY827351-1 AND "VY827351-2"	03/06/2020 EDA BEE	ERENCE DOC20/A	76695 AND DOC20	//76695-11					
7011110	boiler number 5 exhaust - udet e marked and she	WIT AS ET A 1D O OIT THE TIA	13 (VA037331-1 AND VA037331-2	03/00/2020 EFA KEI	ENENCE DOCEO, 4	70033 AND DOCE	/470055-1/.					
		A contract of		Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
May-24	Cadmium	(mg/m3)	Every 6 months	a randiyoca	Dute sumpleu	Value	Samples	Value	CONCENTION ENTIRE	CONCENTRATION ZIMIC	N/A	Comments
May-24	Carbon dioxide	(%)	Every 6 months								N/A	
May-24	Chlorine	(mg/m3)	Every 6 months								N/A	
May-24	Fluorine	(mg/m3)	Every 6 months								N/A	
May-24	Hydrogen chloride	(mg/m3)	Every 6 months		İ	i					N/A	
May-24	Mercury	(mg/m3)	Every 6 months					•			N/A	
May-24	Solid Particles	(mg/m3)	Quarterly			1					N/A	
May-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
May-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
May-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Cadmium	(mg/m3)	Every 6 months	& Allalyseu	Date Sampleu	value	Janipies	value	Concentration Limit	Concentration Limit	N/A	Comments
May-24	Mercury	(mg/m3)	Every 6 months								N/A	
May-24	Solid Particles	(mg/m3)	Quarterly								N/A	
May-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
may 24	1,75 1,75	(6//	213.7 2	ı							,	
POINT 8	Boiler number 6 exhaust - duct A marked and sho	own as EDA ID 9 on The Dia	///	/ /								
			ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).					
		OWIT AS EFA ID 8 OII THE FIE	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).					
		OWIT AS EFA ID 8 OII THE FIE	ns ("VX837351-1 AND "VX837351-2"	Samples Collected	ERENCE DOC20/4	Lowest Sample	/476695-1). Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	s ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency		Date Sampled			Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Month May-24	Pollutant Cadmium			Samples Collected		Lowest Sample	Mean of					Comments
		Unit of Measure	Sample/Measurement Frequency	Samples Collected		Lowest Sample	Mean of				(yes/no)	Comments
May-24	Cadmium	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				(yes/no) N/A	Comments
May-24 May-24	Cadmium Carbon dioxide	Unit of Measure (mg/m3) (%)	Sample/Measurement Frequency Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				(yes/no) N/A N/A	Comments
May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				(yes/no) N/A N/A N/A	Comments
May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Every 6 months Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				(yes/no) N/A N/A N/A N/A	Comments
May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				(yes/no) N/A N/A N/A N/A	Comments
May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mørcury	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				(yes/no)	Comments
May-24 May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Quarterly	Samples Collected		Lowest Sample	Mean of				(yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A	Comments
May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as \$03)	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Quarterly Every 6 months	Samples Collected		Lowest Sample	Mean of				(yes/no) N/A	Comments
May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuria caid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples				(yes/no) N/A N/A N/A N/A N/A N/A N/A N/	Comments
May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples				(yes/no) N/A N/A N/A N/A N/A N/A N/A N/	Comments
May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuria caid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples				(yes/no) N/A N/A N/A N/A N/A N/A N/A N/	Comments
May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuria caid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Value	Concentration Limit	Concentration Limit	(yes/no) N/A	Comments
May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as 503) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) omg/m3) (mg/m3) omg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed 8. Analysed 03/06/2020 EPA REE Samples Collected	Date Sampled	Value Value 76695 AND DOC2C Lowest Sample	Mean of Samples /476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit 100 Percentile	(yes/no) N/A	
May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-24 May-27 May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as 503) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3) Unit of Measure	Sample/Measurement Frequency Every 6 months Cuarterly Every 6 months	Samples Collected & Analysed 8. Analysed 03/06/2020 EPA REE Samples Collected	Date Sampled	Value Value 76695 AND DOC2C Lowest Sample	Mean of Samples /476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit 100 Percentile	(yes/no) N/A	
May-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months Ferry 6 months Every 6 months	Samples Collected & Analysed 8. Analysed 03/06/2020 EPA REE Samples Collected	Date Sampled	Value Value 76695 AND DOC2C Lowest Sample	Mean of Samples /476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit 100 Percentile	(yes/no) N/A	

N/A

May-24 Type 1 and Type 2 substances in aggregate

(mg/m3)

Every 6 months

POINT 10	Boiler number 6 exhaust - duct C marked and sho	own as EPA ID 10 on The Pl	ans ("VX837351-1 AND "VX837351-2"	" 03/06/2020 EPA RE	FERENCE DOC20	476695 AND DOC	20/476695-1).					
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Cadmium	(mg/m3)	Every 6 months								N/A	
May-24	Carbon dioxide	(%)	Every 6 months								N/A	
May-24	Chlorine	(mg/m3)	Every 6 months								N/A	
May-24	Fluorine	(mg/m3)	Every 6 months								N/A	
May-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
May-24	Mercury	(mg/m3)	Every 6 months								N/A	
May-24	Solid Particles	(mg/m3)	Quarterly								N/A	
May-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
May-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
May-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
POINT 11	Boiler number 6 exhaust - duct D marked and sho	own as EPA ID 11 on The P	lans ("VX837351-1 AND "VX837351-2	" 03/06/2020 EPA RE	FERENCE DOC20,	476695 AND DOC	20/476695-1).					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
May-24	Cadmium	(mg/m3)	Every 6 months								N/A	
May-24	Mercury	(mg/m3)	Every 6 months								N/A	
May-24	Solid Particles	(mg/m3)	Quarterly								N/A	
May-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
POINT 12	Boiler number 5 combined exhaust - duct A and I	B (points 4 and 5) marked a	and shown as EPA ID 12 on The Plans ("VX837351-1 AND "V	X837351-2" 03/	06/2020 EPA REFEI	RENCE DOC20/4	76695 AND DOC20/	476695-1).			
				Samples Collected								
Month						Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Pollutant Nitrogen Oxides	Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous		Date Sampled May-24							Comments
May-24 May-24				& Analysed		Value	Samples	Value			(yes/no)	Comments
	Nitrogen Oxides	(mg/m3)	Continuous	& Analysed 97.0%	May-24	Value 419	Samples 659	Value 769			(yes/no) N/A	Comments
	Nitrogen Oxides	(mg/m3) (mg/m3)	Continuous Continuous	& Analysed 97.0% 97.0%	May-24 May-24	Value 419 456	5amples 659 877	Value 769 1184	Concentration Limit		(yes/no) N/A	Comments
May-24	Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3)	Continuous Continuous	& Analysed 97.0% 97.0%	May-24 May-24	Value 419 456	5amples 659 877	Value 769 1184	Concentration Limit		(yes/no) N/A	Comments
May-24	Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3)	Continuous Continuous	& Analysed 97.0% 97.0%	May-24 May-24	Value 419 456	5amples 659 877	Value 769 1184	Concentration Limit		(yes/no) N/A	Comments
May-24	Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3)	Continuous Continuous	8 Analysed 97.0% 97.0% "VX837351-1 AND "V	May-24 May-24	Value 419 456 6/2020 EPA REFER	659 877	769 1184 76695 AND DOC20/	Concentration Limit 476695-1).	Concentration Limit	(yes/no) N/A N/A	Comments
May-24 POINT 13	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E	(mg/m3) (mg/m3) O (points 6 and 7) marked a	Continuous Continuous and shownas EPA ID 13 on The Plans (& Analysed 97.0% 97.0% "VX837351-1 AND "VX	May-24 May-24 X837351-2" 03/0	Value 419 456 6/2020 EPA REFER Lowest Sample	Samples 659 877 EENCE DOC20/47	769 1184 76695 AND DOC20/	Concentration Limit 476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A	
May-24 POINT 13 Month	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant	(mg/m3) (mg/m3) D (points 6 and 7) marked a	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency	& Analysed 97.0% 97.0% "VX837351-1 AND "VX Samples Collected & Analysed	May-24 May-24 X837351-2" 03/0	Value 419 456 6/2020 EPA REFER Lowest Sample Value	Samples 659 877 EENCE DOC20/47 Mean of Samples	Value 769 1184 76695 AND DOC20/ Highest Sample Value	Concentration Limit 476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no)	
May-24 POINT 13 Month May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides	(mg/m3) (mg/m3) O (points 6 and 7) marked a Unit of Measure (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous	& Analysed 97.0% 97.0% "VX837351-1 AND "VX Samples Collected & Analysed 99.4%	May-24 May-24 X837351-2" 03/0 Date Sampled May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434	Samples 659 877 EENCE DOC20/47 Mean of Samples 635	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747	Concentration Limit 476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
May-24 POINT 13 Month May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides	(mg/m3) (mg/m3) D (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V: Samples Collected 8. Analysed 99.4% 99.4%	May-24 May-24 X837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666	\$\frac{\text{Samples}}{659} \\ 877 \\ \text{SENCE DOC20/42} \\ \text{Mean of Samples} \\ 635 \\ 951	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747 1260	Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
May-24 POINT 13 Month May-24 May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) D (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V: Samples Collected 8. Analysed 99.4% 99.4%	May-24 May-24 X837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666	\$\frac{\text{Samples}}{659} \\ 877 \\ \text{SENCE DOC20/42} \\ \text{Mean of Samples} \\ 635 \\ 951	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747 1260	Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
May-24 POINT 13 Month May-24 May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) D (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V: Samples Collected 8. Analysed 99.4% 99.4%	May-24 May-24 X837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666	\$\frac{\text{Samples}}{659} \\ 877 \\ \text{SENCE DOC20/42} \\ \text{Mean of Samples} \\ 635 \\ 951	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747 1260	Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
May-24 POINT 13 Month May-24 May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) D (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V' Samples Collected 8. Analysed 99.4% 99.4%	May-24 May-24 X837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER	Samples 659 877	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747 1260 76695 AND DOC20/	476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A	
May-24 POINT 13 Month May-24 May-24 POINT 14	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I	(mg/m3) (mg/m3) D (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Continuous Continuous und shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (8. Analysed 97.0% 97.0% "VX837351-1 AND "V/ Samples Collected 8. Analysed 99.4% 99.4% "VX837351-1 AND "V/ Samples Collected	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample	Samples 659 877 ENCE DOC20/42 Mean of Samples 635 951 ENCE DOC20/42 Mean of	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747 1260 76695 AND DOC20/ Highest Sample	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency	& Analysed 97.0% 97.0% "VX837351-1 AND "V: Samples Collected & Analysed 99.4% 99.4% "VX837351-1 AND "V: Samples Collected & Analysed	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample Value	Samples 659 877 EENCE DOC20/47 Mean of Samples 635 951 EENCE DOC20/47 Mean of Samples	Value 769 1184 76955 AND DOC20/ Highest Sample Value 747 1260 7695 AND DOC20/ Highest Sample Value	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no)	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant Nitrogen Oxides	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) B (points 8 and 9) marked a Unit of Measure (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V/ Samples Collected 8. Analysed 99.4% "VX837351-1 AND "V/ Samples Collected 8. Analysed 8. Analysed 8. 4.1%	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0 Date Sampled May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample Value 268	Samples 659 877 EENCE DOC20/4: Mean of Samples 635 951 EENCE DOC20/47 Mean of Samples 670	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747 1260 76695 AND DOC20/ Highest Sample Value 785	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant Nitrogen Oxides	(mg/m3) (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) 8 (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V." Samples Collected 8. Analysed 99.4% 99.4% "VX837351-1 AND "V." Samples Collected 8. Analysed 84.1% 83.9%	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample Value 268 578	Samples 659 877 EENCE DOC20/4: Mean of Samples 635 951 EENCE DOC20/4: Mean of Samples 670 902	Value 769 1184 7695 AND DOC20/ Highest Sample Value 747 1260 76695 AND DOC20/ Highest Sample Value 785 1143	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month May-24 May-24 May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) 8 (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V." Samples Collected 8. Analysed 99.4% 99.4% "VX837351-1 AND "V." Samples Collected 8. Analysed 84.1% 83.9%	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample Value 268 578	Samples 659 877 EENCE DOC20/4: Mean of Samples 635 951 EENCE DOC20/4: Mean of Samples 670 902	Value 769 1184 7695 AND DOC20/ Highest Sample Value 747 1260 76695 AND DOC20/ Highest Sample Value 785 1143	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month May-24 May-24 May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) 8 (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Continuous Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V." Samples Collected 8. Analysed 99.4% 99.4% "VX837351-1 AND "V." Samples Collected 8. Analysed 84.1% 83.9%	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample Value 268 578	Samples 659 877 EENCE DOC20/4: Mean of Samples 635 951 EENCE DOC20/4: Mean of Samples 670 902	Value 769 1184 7695 AND DOC20/ Highest Sample Value 747 1260 76695 AND DOC20/ Highest Sample Value 785 1143	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month May-24 May-24 May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) 8 (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Continuous Continuous	8. Analysed 97.0% "VX837351-1 AND "VI Samples Collected 8. Analysed 99.4% "VX837351-1 AND "VI "VX837351-1 AND "VI Samples Collected 8. Analysed 84.1% 83.9% s ("VX837351-1 AND "VI	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24	Value 419 456 6/2020 EPA REFER Lowest Sample 434 666 6/2020 EPA REFER Lowest Sample Value 268 578	Samples 659 877	Value 7695 AND DOC20/ Highest Sample 747 1260 76695 AND DOC20/ Highest Sample 747 1260 76695 AND DOC20/ Highest Sample Value 785 1143	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month May-24 May-24 May-24 May-24 May-24	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct C and E	(mg/m3) (mg/m3) D (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) B (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3) D (points 10 and 11) marked Unit of Measure	Continuous Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Continuous Continuous d and shownas EPA ID 12 on The Plans	8. Analysed 97.0% 97.0% "VX837351-1 AND "V/ Samples Collected 8. Analysed 99.4% 99.4% "VX837351-1 AND "V/ Samples Collected 8. Analysed 84.1% 83.9% s ("VX837351-1 AND "	May-24 May-24 (837351-2" 03/6 Date Sampled May-24 May-24 (837351-2" 03/6 Date Sampled May-24 May-24 May-24 VX837351-2" 03/6	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample Value 268 578 /06/2020 EPA REF	Samples 659 877 EENCE DOC20/4: Mean of Samples 635 951 EENCE DOC20/4: Mean of Samples 670 902 EEENCE DOC20, Mean of Mean of Samples	Value 769 1184 7695 AND DOC20/ Highest Sample Value 747 1260 7695 AND DOC20/ Highest Sample Value 785 1143	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit 99 Percentile 0/476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	Comments
May-24 POINT 13 Month May-24 May-24 POINT 14 Month May-24 May-24 POINT 15	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct C and I Pollutant	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) 8 (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Continuous Continuous Ind shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous	8. Analysed 97.0% 97.0% "VX837351-1 AND "V: Samples Collected 8. Analysed 99.4% 99.4% "VX837351-1 AND "V: Samples Collected 8. Analysed 84.1% 83.9% s ("VX837351-1 AND "Samples Collected 8. Analysed 84.1%	May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 (837351-2" 03/0 Date Sampled May-24 May-24 Way-24 Way-24 Date Sampled May-24 May-24 Date Sampled May-24 May-24 Date Sampled	Value 419 456 6/2020 EPA REFER Lowest Sample Value 434 666 6/2020 EPA REFER Lowest Sample Value 268 578 Lowest Sample Value 434 Lowest Sample Value Value Value Value	Samples 659 877 EENCE DOC20/4: Mean of Samples 635 951 Mean of Samples 670 902 EERENCE DOC20, Mean of Samples	Value 769 1184 76695 AND DOC20/ Highest Sample Value 747 1260 Highest Sample Value 78695 AND DOC20/ Highest Sample Value 785 1143	Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit 99 Percentile 0/476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no)	Comments

POINT 22	Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).													
				Samples Collected		Lowest Sample	Mean of	Highest Sample	98.5 Percentile	100 Percentile	Exceed 100%			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	Limit (yes/no)	Comments		
May-24	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	7/05/2024	0	0	0		0.2	No			
May-24	Copper	(mg/L)	Monthly during discharge	1	7/05/2024	0.004	0.004	0.004		0.005	No			
May-24	Iron	(mg/L)	Monthly during discharge	1	7/05/2024	0.26	0.26	0.26		0.3	No			
May-24	Oil and Grease	Visible	Continuous during discharge	100%	May-24	NIL	NIL	NIL						
May-24	Selenium	(mg/L)	Monthly during discharge	1	7/05/2024	<0.002	<0.002	<0.002		0.005	No			
May-24	Temperature	(°C)	Continuous during discharge	100%	May-24	21.8	26.0	31.2	35	37.5	No			

POINT 23	Discharge of supernatant water from the ash dam	to the cooling water out	et canal to Wyee Bay marked and sho	wn as EPA ID 23 on T	he Plans ("VX837	351-1 AND "VX837	7351-2" 03/06/2	2020 EPA REFEREN	CE DOC20/476695 AND D	OC20/476695-1).		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Aluminium	(mg/L)	Monthly during discharge	1	7/05/2024	0.24	0.24	0.24				
May-24	Ammonia	(mg/L)	Monthly during discharge	1	7/05/2024	0.072	0.072	0.072				
May-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	7/05/2024	< 0.001	<0.001	< 0.001				
May-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	7/05/2024	0.005	0.005	0.005				
May-24	Cadmium	(mg/L)	Monthly during discharge	1	7/05/2024	<0.0001	< 0.0001	< 0.0001				
May-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	7/05/2024	<0.005	<0.005	< 0.005				
May-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	7/05/2024	0.008	0.008	0.008				
May-24	Copper	(mg/L)	Monthly during discharge	1	7/05/2024	0.002	0.002	0.002				
May-24	Iron	(mg/L)	Monthly during discharge	1	7/05/2024	0.540	0.540	0.540				
May-24	Lead	(mg/L)	Monthly during discharge	1	7/05/2024	< 0.001	< 0.001	< 0.001				
May-24	Manganese	(mg/L)	Monthly during discharge	1	7/05/2024	0.0210	0.0210	0.0210				
May-24	Nickel	(mg/L)	Monthly during discharge	1	7/05/2024	0.001	0.001	0.001				
May-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	7/05/2024	0.058	0.058	0.058				
May-24	Nitrogen	(mg/L)	Monthly during discharge	1	7/05/2024	0.40	0.40	0.40				
May-24	рН	pН	Monthly during discharge	1	7/05/2024	8.35	8.35	8.35		6.5 - 9.5	No	
May-24	Phosphorus	(mg/L)	Monthly during discharge	1	7/05/2024	0.07	0.07	0.07				
May-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	7/05/2024	0.02	0.02	0.02				
May-24	Selenium	(mg/L)	Monthly during discharge	1	7/05/2024	0.011	0.011	0.011				
May-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	7/05/2024	0.3	0.3	0.3				_
May-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	7/05/2024	20	20	20		50	No	
May-24	Vanadium	(mg/L)	Monthly during discharge	1	7/05/2024	0.03	0.03	0.03				
May-24	Zinc	(mg/L)	Monthly during discharge	1	7/05/2024	0.037	0.037	0.037				_

POINT 24	Discharge of seepage water from the ash dam re	habilitation area to Manne	ring Bay marked and shown as EPA ID	24 on The Plans ("V)	(837351-1 AND "	VX837351-2" 03/0	6/2020 EPA REF	ERENCE DOC20/47	6695 AND DOC20/47669	95-1).		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Discharge (yes/no)	100 Percentile Concentration Limit	Exceedance (ves/no)	Comments
May-24	Aluminium	(mg/L)	Monthly during discharge	1	7/05/2024				No		(,,,,,,,,	
May-24	Ammonia	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Cadmium	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Copper	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Iron	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Lead	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Manganese	(mg/L)	Monthly during discharge	1	7/05/2024				No			No discharge from EPA Point 24 during May 2024
May-24	Nickel	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Nitrogen	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	pH	pH	Monthly during discharge	1	7/05/2024				No	6.5 - 9.5	No	
May-24	Phosphorus	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Selenium	(mg/L)	Monthly during discharge	1	7/05/2024				No			·
May-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	7/05/2024				No			·
May-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	7/05/2024				No	50	No	<u> </u>
May-24	Vanadium	(mg/L)	Monthly during discharge	1	7/05/2024				No			
May-24	Zinc	(mg/L)	Monthly during discharge	1	7/05/2024				No			

POINT 25	Discharge of over boarded water from the ash dam to Mannering Bay marked and shown as EPA ID 25 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

	Journal of the Source Water Formula assume	,		Samples Collected			Mean of			100 Percentile	5d	
Manah	Pollutant	Unit of Measure	Samuela /Bassauramant Francisco		Data Campled	Lowest Sample Value	Samples	Highest Sample	Discharge (yes/no)		Exceedance	C
Month	Aluminium		Sample/Measurement Frequency	& Analysed 30	Date Sampled	0.03		Value 57	V	Concentration Limit	(yes/no)	Comments
May-24		(mg/L)	Daily for any discharge >2 hrs		May 2024		3.3		Yes			
May-24	Ammonia	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.005	0.2	0.3	Yes			
May-24	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	< 0.001	<0.001	< 0.001	Yes			
May-24	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.004	0.008	0.035	Yes			
May-24	Cadmium	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	< 0.0001	0.000078	0.0012	Yes			
May-24	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	< 0.005	0.0026	0.01	Yes			
May-24	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.005	0.034	0.087	Yes			
May-24	Copper	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	< 0.0005	0.0038	0.05	Yes			
May-24	Iron	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.11	3	48	Yes			
May-24	Lead	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	< 0.001	0.0017	0.03	Yes			
May-24	Manganese	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.005	0.1	1.2	Yes			
May-24	Nickel	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	< 0.001	0.0021	0.037	Yes			
May-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	< 0.005	0.1	0.29	Yes			
May-24	Nitrogen	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.3	0.6	0.9	Yes			
May-24	pH	pH	Daily for any discharge >2 hrs	30	May 2024	7.03	8.90	9.33	Yes	6.5 - 9.5		
May-24	Phosphorus	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.06	0.3	3.5	Yes			
May-24	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.009	0.1	0.11	Yes			
May-24	Selenium	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.012	0.034	0.071	Yes			
May-24	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.2	0.5	0.9	Yes			TSS non-compliances on 14/5 and 19/5. Suspected to be associated
May-24	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	<5	767	12000	No	50		with sample contamination due to difficult sampling location. Results
May-24	Vanadium	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.028	0.12	0.91	Yes			after 19/5 all below 18mg/L.
May-24	Zinc	(mg/L)	Daily for any discharge >2 hrs	30	May 2024	0.004	0.059	0.78	Yes			_

POINT 30	Groundwater quality monitoring bore marked and	shown as EPA ID 30 on T	he Plans ("VX837351-1 AND "VX8373	51-2" 03/06/2020 EF	PA REFERENCE DO	C20/476695 AND	DOC20/476695-	1).				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Aluminium	(mg/L)	Quarterly									
May-24	Ammonia	(mg/L)	Quarterly									
May-24	Arsenic (III)	(mg/L)	Quarterly									
May-24	Arsenic (V)	(mg/L)	Quarterly									
May-24	Cadmium	(mg/L)	Quarterly									
May-24	Chromium (trivalent)	(mg/L)	Quarterly									
May-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-24	Copper	(mg/L)	Quarterly									
May-24	Electrical Conductivity	(us/cm)	Quarterly									
May-24	Iron	(mg/L)	Quarterly									
May-24	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2024
May-24	Magnesium	(mg/L)	Quarterly									
May-24	Manganese	(mg/L)	Quarterly									
May-24	Nickel	(mg/L)	Quarterly									
May-24	pH	pH	Quarterly									
May-24	Potassium	(mg/L)	Quarterly									
May-24	Selenium	(mg/L)	Quarterly									
May-24	Sodium	(mg/L)	Quarterly									·
May-24	Standing Water Level	(m)	Quarterly									·
May-24	Vanadium	(mg/L)	Quarterly									
May-24	Zinc	(mg/L)	Quarterly									·

POINT 31	Groundwater quality monitoring bore marked and	shown as EPA ID 31 on T	he Plans ("VX837351-1 AND "VX8373	51-2" 03/06/2020 EF	A REFERENCE DO	C20/476695 AND	DOC20/476695-	1).				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Aluminium	(mg/L)	Quarterly	,							.,,	
May-24	Ammonia	(mg/L)	Quarterly									
May-24	Arsenic (III)	(mg/L)	Quarterly									
May-24	Arsenic (V)	(mg/L)	Quarterly									
May-24	Cadmium	(mg/L)	Quarterly									
May-24	Chromium (trivalent)	(mg/L)	Quarterly									
May-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-24	Copper	(mg/L)	Quarterly									
May-24	Electrical Conductivity	(us/cm)	Quarterly									
May-24	Iron	(mg/L)	Quarterly									
May-24	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2024
May-24	Magnesium	(mg/L)	Quarterly									
May-24	Manganese	(mg/L)	Quarterly									
May-24	Nickel	(mg/L)	Quarterly									
May-24	pH	pH	Quarterly									
May-24	Potassium	(mg/L)	Quarterly									
May-24	Selenium	(mg/L)	Quarterly									
May-24	Sodium	(mg/L)	Quarterly									
May-24	Standing Water Level	(m)	Quarterly									
May-24	Vanadium	(mg/L)	Quarterly									
May-24	Zinc	(mg/L)	Quarterly			1						

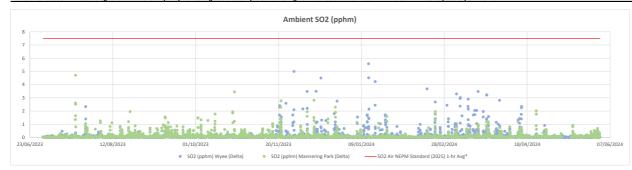
POINT 32	Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure		Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Aluminium	(mg/L)	Quarterly									
May-24	Ammonia	(mg/L)	Quarterly									
May-24	Arsenic (III)	(mg/L)	Quarterly									
May-24	Arsenic (V)	(mg/L)	Quarterly									
May-24	Cadmium	(mg/L)	Quarterly									
May-24	Chromium (trivalent)	(mg/L)	Quarterly									
May-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-24	Copper	(mg/L)	Quarterly									
May-24	Electrical Conductivity	(us/cm)	Quarterly									
May-24	Iron	(mg/L)	Quarterly									
May-24	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2024
May-24	Magnesium	(mg/L)	Quarterly									
May-24	Manganese	(mg/L)	Quarterly									
May-24	Nickel	(mg/L)	Quarterly									
May-24	pH	pH	Quarterly									
May-24	Potassium	(mg/L)	Quarterly									·
May-24	Selenium	(mg/L)	Quarterly									
May-24	Sodium	(mg/L)	Quarterly									·
May-24	Standing Water Level	(m)	Quarterly									·
May-24	Vanadium	(mg/L)	Quarterly									_
May-24	Zinc	(mg/L)	Quarterly									

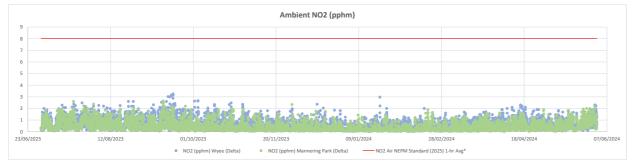
POINT 33	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples Collected		Lowest Sample		Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
May-24	Aluminium	(mg/L)	Quarterly									
May-24	Ammonia	(mg/L)	Quarterly									
May-24	Arsenic (III)	(mg/L)	Quarterly									
May-24	Arsenic (V)	(mg/L)	Quarterly									
May-24	Cadmium	(mg/L)	Quarterly									
May-24	Chromium (trivalent)	(mg/L)	Quarterly									
May-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-24	Copper	(mg/L)	Quarterly									
May-24	Electrical Conductivity	(us/cm)	Quarterly									
May-24	Iron	(mg/L)	Quarterly									
May-24	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2024
May-24	Magnesium	(mg/L)	Quarterly									
May-24	Manganese	(mg/L)	Quarterly									
May-24	Nickel	(mg/L)	Quarterly									
May-24	pH	pH	Quarterly									
May-24	Potassium	(mg/L)	Quarterly									
May-24	Selenium	(mg/L)	Quarterly									
May-24	Sodium	(mg/L)	Quarterly									
May-24	Standing Water Level	(m)	Quarterly									·
May-24	Vanadium	(mg/L)	Quarterly									·
May-24	Zinc	(mg/L)	Quarterly		_							

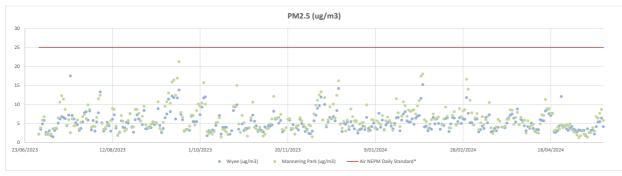
POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
May-24	Aluminium	(mg/L)	Quarterly								(,,,,,,,,,	
May-24	Ammonia	(mg/L)	Quarterly									
May-24	Arsenic (III)	(mg/L)	Quarterly									
May-24	Arsenic (V)	(mg/L)	Quarterly									
May-24	Cadmium	(mg/L)	Quarterly									
May-24	Chromium (trivalent)	(mg/L)	Quarterly									
May-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-24	Copper	(mg/L)	Quarterly									
May-24	Electrical Conductivity	(us/cm)	Quarterly									
May-24	Iron	(mg/L)	Quarterly									Next sample scheduled for July 2024
May-24	Lead	(mg/L)	Quarterly									
May-24	Magnesium	(mg/L)	Quarterly									
May-24	Manganese	(mg/L)	Quarterly									
May-24	Nickel	(mg/L)	Quarterly									
May-24	PΗ	pΗ	Quarterly									
May-24	Potassium	(mg/L)	Quarterly									
May-24	Selenium	(mg/L)	Quarterly									
May-24	Sodium	(mg/L)	Quarterly									
May-24	Standing Water Level	(m)	Quarterly									
May-24	Vanadium	(mg/L)	Quarterly									
May-24	Zinc	(mg/L)	Quarterly									

Ambient Air Quality Graphs

POINTS 16 & 35 Meteorological and ambient air quality monitoring stations at Wyee & Mannering Park marked and shown as EPA ID 16 & EPA ID 35 respectively on The Plan.







GENERAL COMMENT

*For more information about the Australian Governments National Environment Protection (Ambient Air Quality) Measure (Air NEPM) visit https://www.nepc.gov.au/nepms/ambient-air-quality